

BASIS OF BIBLIOGRAPHY¹

ECTS	Cours (h)	T.D. (h)	T.P. (h)	Projects	Stage (semaines)
3		6	18	3 mini-reviews	

Mention du master transmettant la fiche UE :	IdS
Composante de gestion de l'UE :	Polytech / Ecole Centrale Lyon
Responsables de l'UE :	CANET SOULAS Emmanuelle emmanuelle.canet@univ-lyon1.fr
Statut du responsable :	PR

PROGRAMME DE L'UNITE D'ENSEIGNEMENT :

Before starting an experimental study, it is mandatory to know the scientific state-of-the-art to correctly position the research project and address the right scientific question. Scientific and technological watch, selection of the relevant reference papers and writing of a scientific review are essential competencies for a future research professional, especially in the rapidly evolving biomedical field.

The main focus of this course is to write and orally present three mini-reviews, each addressing a specific question related to the multidisciplinary nature of biomedical engineering (i.e., medical imaging, signal and image processing, medical devices, biomaterials, ...). The three questions are directly related to the Master internship project, but each should address a distinct topic (i.e., the medical question, technological aspects, methodological alternatives, ...).

The first tutorial (3 h) presents how to start an advanced bibliography research (research tools, appropriate key words, research strategy, selection of reference, ...).

Three sessions of practice with typical exercises include:

- Session 1: (3h) This tutorial consists in practicing to write mini-review on a proposed corpus of article.
- Session 2 Use of main databases (3 h)
- Session 3 Research methodology for a general scientific topic (3 h)
- Session 4 Construction of a research articles corpus, corpus analysis, selection of adequate references (Zotero software) (3 h)
- Session 5: (3 h) Oral presentation of the 2 mini-review by group of 3 students (one oriented towards COPS themes and one oriented towards MISS themes) on a proposed corpus of 5 article.

The three mini-reviews on the Master internship topic are evaluated equally on the written documents and the ability to present and defend them orally.

MUTUALISATION :

Si l'UE est mutualisée avec d'autres mentions de master, indiquez la liste de ces mentions.